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STRASZKO, Jerry

Distr: 4E2c

Causes of corrosion in equipment used for the absorption of nitrogen oxides. Stanislaw Bursa and Jerzy Straszko (Katedra Chemii Fizycznej Politechniki Szczecinskiej). *Przemysl Chem.* 38, No. 4, 220-4 (1959). Nitrosyl chloride and elemental Cl and possibly  $\text{NO}_2\text{Cl}$  and  $\text{NOC}_2$ , were found to be sources of corrosion in intermediate absorption equipment. The source of the Cl in the system was the 40-200 p.p.m. chloride content in the process water used in the absorption of N oxides. The Cl in the system became concd. within the intermediate absorption equipment through countercurrent scrubbing with process water and reaction of 22-5%  $\text{HNO}_3$  with the chlorides at the approx. 30° temp. prevailing to drive Cl and nitrosyl chloride into the gas phase.

Edmund A. J. Mazz

5  
1-1232(10)

STOŁEK, J.; WURDA, J.

Preliminary study of the preparation of chlorine and of ammonium and sodium nitrates from ammonium and sodium chlorites and from nitric acid. p. 225.

PRZEMYSŁ CHEMICZNY. Ministerstwo Przemysłu Chemicznego i Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Przemysłu Chemicznego. Warszawa, Poland, Vol. 38, No. 4, Apr. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September, 1959.  
Uncl.

BURSA, Stanislaw; STRASZKO, Jersy

Reaction kinetics of hydrochloric acid oxidation with nitric acid. II. Dependence of the reaction rate from temperature.  
Przem chem 39 no.7:438-442 Jl '60.

1. Katedra Chemii Fizycznej, Politechnika, Szczecin.

BURSA, Stanislaw; STRASZKO, Jerzy

The mechanism of the oxidation of chlorides with nitric acid. I.:  
Influence of hydrazine sulphate on the oxidation velocity of HCl with  
nitric acid. Przem. chem. 41 no.3:133-136 Mr '62.

1. Katedra Chemii Fizycznej Politechniki Szczecinskiej

BURSA, Stanislaw; STRASZKO, Jerzy

Reaction mechanism of the oxidation of chlorides with nitric acid. Pt. 2. Influence of nitric acid upon the rate of reaction of oxidation of HCl with  $\text{HNO}_3$ . Przem chem 41 no.4:185-189 Ap '62.

1. Katedra Chemii Fizycznej, Politechnika, Szczecin.

BURSA, Stanislaw; STRASZKO, Jerzy

Eudiometric method of  $\text{NO}_3^-$  determination in aqueous solutions of  $\text{HNO}_3$ . Chem anal 8 no.1:29-40 '63.

1. Department of Physical Chemistry, Politechnika, Szczecin.

STRASHYN'SKI, Adam [Straszynski, A.] prof.

Polish dermatology and venerology in its historical development.  
Vest. derm. i ven. 33 no.1:34-38 Ha-F '59. (MIRA 12:3)

1. Iz dermatologicheskoy kliniki Poznanskoy meditsinskoy akademii  
(zav. - doktor med. nauk prof. Adam Strashyn'ski)  
(DERMATOLOGY, hist.  
in Poland (Rus))  
(VENERAL DISEASES  
in Poland, hist. (Rus))

STRASZYNISKI, Adam

Outline of the history of Polish dermatology and venercology.  
Przegl. derm. 52 no.1829-35 Ja-F '65.

STRASZYNSKI, Adam

On the topical application of antibiotics and sulfonamides in  
dermatology. Przegl. derm. 52 no.2 149-152 Mr-Ap '65

STRAT. C

Detoxifying action of chlorides in nephritic patients with increased polypeptides. P. Niculescu, C. Strat and D. Heresco. *Bull. Acad. med. Roumanie* 4, 655-62 (1937).

The mol. wt. of the end-products of protein metabolism (urea, creatinine, uric acid and polypeptides) is inversely proportional to their tolerance by the organism, as shown by the amt. in the blood. Their toxicity is inversely proportional to their tolerance, as shown by retention in cases of uremia, burns and in the post-operative state. Injections of hypertonic salts detoxify the organism in such cases. The action of halogens on the amino acids is essential in *in vitro* synthesis of polypeptides, which probably is also the case *in vivo*. Furthermore, Cl may form a filterable complex nontoxic halogen. Normally, most total blood Cl is in the plasma, less is present in the cells. In post-operative cases, the reverse ratio is found, but the total blood Cl is decreased, while ionized Cl is diminished.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

STRAT.C

1

The administration of the vitamins A, B, and O modifies the gastric secretion. P. Niculesco, C. Strat, D. Heresco and C. Simionov. *Bull. acad. med. Roumaine* 6, 137-53 (1941) (in French).—The influence of vitamins on the human gastric secretion is studied by introducing into the evacuated stomach 0.003 g. caffeine dissolved in 200 cc. water, injecting the vitamin, extg. the gastric juice every

water, injecting the vitamin, e.g., the free HCl and to, 15 min. during 90 min. and detg. the free HCl and to, HCl during 30-45 min. which is, however, overlapped by the much stronger increase produced by the caffeine. Vitamin B<sub>1</sub> lowers the gastric acidity during the first 15 min. (62% for free HCl, 54% for total acidity). Vitamin C increases the gastric acidity during the first hr. (93% for free HCl, 70% for total acidity). George Nachod

11E

ASB-31A METALLURGICAL LITERATURE CLASSIFICATION

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APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653510001-9"

STRAT, C. Prof.; ZONENREICH, S., Dr.; DRAGAN, M., Dr.; MARDARE, Gh., Dr.

Adrenal cortex hormone therapy of chronic liver diseases. Med. int..  
Bucur. 9 no.7:1089-1094 July 57.

1. Clinica a II-2 medicala, Institutui de medicina, Iasi.  
(LIVER DISEASES, therapy  
adrenal cortex hormones)  
(ADRENAL CORTEX HORMONES, ther. use  
liver dis., chronic)

S

STRAT, C., prof.; LUNGU, I., dr.; DRAGAN, Margareta, dr.;  
RUSSU, G., dr.; LUNGU, Eugenia, dr.; SOLOMON, M., dr.;  
MARDARE, G., dr.; POPESCU, N., dr.; CIMPOES, C., dr.;  
SELARU, M., dr.

The value of ornithine-carbamyl-transferase in hepatic diseases  
of viral origin. Med. intern. 15 no. 6: 673-678 Je '63.

1. Lucrare efectuata in Clinica a II-a medicala, Institutul  
de medicina si farmacie, Iasi (director: prof. dr. C. Strat).  
(HEPATITIS, INFECTIOUS) (HEPATITIS)  
(LIVER CIRRHOSIS) (ENZYME TESTS)  
(TRANSFERASES)

STRAT, C., prof.; MARDARE, G., dr.

The gastrogram after the use of splanchno-lumbar novocain block in the operated stomach. Med. intern. 15 no.10:1179-1184 '63.

1. Lucrare efectuata in Clinica a II-a medicala din Iasi  
(director: prof. C. Strat).

(POSTGASTRECTOMY SYNDROMES) (PROCAINE)  
(AUTONOMIC NERVE BLOCK) (SPLANCHNIC NERVES)  
(LUMBOSACRAL PLEXUS) (STOMACH) (PHYSIOLOGY)

PONI, Marguerite P., dr. prof. de chimie inorganica; GAIGINSKI, Alexandrine;  
STRAT, Helene; PETREANU, Viorica; PAVEL, Marianne; BOSTAN, Marcel

Bacteriostatic and bactericide action of the compound 1,8-oxyquinoline ICl<sub>3</sub> in vitro and in vivo. Anal St Jassy I 10 no.1:37-43 '64.

1. University of Iasi, Rumania (for Poni).

ACC NR: AP6030345

SOURCE CODE: RU/0003/65/016/003/0144/0148

AUTHOR: Strat, Liviu; Voiculescu, M.

11  
B

ORG: none

TITLE: Comparative study concerning the resistance of enamels based on alkyd and epoxy resins under natural climatic conditions

SOURCE: Revista de chimie, v. 16, no. 3, 1965, 144-148

TOPIC TAGS: epoxy plastic, resin

ABSTRACT: The authors report on comparative tests of various alkyd and epoxy resin-based enamels over a period of one year in three stations, of which one marine, one industrial and one underground. The epoxy enamels showed good resistance throughout the period at all stations; least effective were alkyd enamels that had been air dried. This work was performed at the Electrotechnical Research and Planning Institute. Orig. art. has: 19 figures and 1 table.

[JPRS]

SUB CODE: 11 / SUBM DATE: none

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Card 1/1

0918 1068

STRAT, V., ing.

"Cybernetics" by E. Nicolai, C. Balaceanu. Reviewed by V.  
Strat. Telecommunicatii 6 no.6:285 N-D '63.

ABLOV, A.V., akademik; STRATAN, G.G.

Products of iodine addition to cobalt (III) dioximines. Dokl.  
AN SSSR 151 no.4:845-848 Ag '63. (MIRA 16:8)

1. Kishinevskiy gosudarstvennyy universitet. 2. AN Moldavskoy  
SSR (for Ablov).  
(Iodine) (Cobalt compounds)

STRATANOVICH, G. G.; FRIANTIEV, U. E.

"Opyt analiza sotsial'noy terminologii."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,  
Moscow, 3-10 Aug 64.

GAYUI, Rene Zhyust [Hauy, Rene-Just]; SHAFRANOVSKIY, I.I., prof.;  
ZABOTKINA, O.S.[translator]; STRATANOVSKIY, G.A.[translator];  
SHUBNIKOV, A.V., akademik, red.; BOKIY, G.B., red.;  
PETROVSKIY, I.G., akademik, red.; ANDREYEV, N.N., akademik, red.;  
KAZANSKIY, B.A., akademik, red.; YUDIN, P.F., akademik, red.;  
DELONE, B.N., red.; SAMARIN, A.M., red.; ZUBOV, V.P., prof.,red;  
LEBEDEV, D.N., prof., red.; FIGUROVSKIY, N.A., prof., red.;  
KUZNETSOV, I.V., kand. filos. nauk, red.; OZNOBISHIN, D.V.,kand.  
istor. nauk, red.; SUSHKOVA, T.I., red. izd-va; Smirnova, A.V.,  
tekhn. red.

[Structure of crystals; selected works] Struktura kristallov;  
izbrannye trudy. Sostavlenie, stat'ia i primechaniia I.I.  
Shafranovskogo. Redaktsiia A.V.Shubnikova i G.B.Bokija. Mo-  
skva, Izd-vo Akad. nauk SSSR, 1962. 175 p. Translated from the  
French. (MIR 15:3)  
1. Chlen-korrespondent Akademii nauk SSSR (for Bokiy, Delone,  
Samarin).

(Crystallography)

STRATEK, V.

TECHNOLOGY

Periodicals: LEKA PROMISHLENOST. Vol. 8, no. 1, 1959.

STRATEK, V. Enamelled articles coated with one layer of titanium enamel, p. 16.

Monthly List of East European Accession (FEAI) LC Vol. 8, No. 4, April 1959,  
nklass.

FLORIAN, Petru, prof. (Dej); MARUSTERU, St., (Baia Mare); HERLING, C., student; PIRSAN, L.C., student (Bucuresti); IONESCU-TIU, C.; COSTACHESCU, C.V.; LAMBA, Stelian (Constanta); LIVIU, Petre (Pucioasa); STRATESCU, Ion, student; BRINZANESCU, V., elev (Constanta); KLIM, Bratu, student (Bucuresti); TEMPEANU, C. (Hunedorara); CALINESCU, Aurelian (Brasov); MUNTEANU, Valentin (Cluj); OPREA, Miron (Ploiesti); MIHAILEANU, N.; TIGANOIU, Al., inginer; Buicliu, Gh.; POPA, Eugen I. (Iasi)

Proposed problems. Gaz mat B 14 no.8:481-485 Ag '63.

1. Institutul Politehnic Bucuresti (for Herling).

DOBRE, Nelu I. (Merei, Buzau); MUNTEANU, I.; BUICLIU, Gh.;  
CASANDROIU, T. (Ploiesti); STPATESCU, Ion; IONESCU-Tiu,  
C.; TCMESCU, Ion (Bucuresti); MIRZAN, D., prof. (Bujoreni,  
Vilcea)

Exercises and problems proposed for grades 5-8. Gas mat  
B 15 no. 5:227-230 May '64.

MUNTEANU, L. (Vaslui); STRATESCU, Ion; PETROVICI, Radu (Bucuresti); DUMITRESCU,  
Florea I. (Craiova)

Exercises and proposed problems in mathematics for grades 5-8. Gaz  
mat 8 15 no.4:177-180 Ap '64.

PAINAVELOV, Iv.; STRATEV, Il.

Difficulties in differential diagnosis and therapy of late complications in the bladder and in the descending colon following radium and deep roentgen therapy. Khirurgia, Sofia 8 no.10:922-927 1955.

1. Nauchnoizsledovatelski onkologichen instit. Direktor: prof. G.Tenchov.  
(RADIMUM, injurious effects,  
bladder & colon lesions after radium ther., differ.diag. & ther.  
(Bul)  
(ROENTGEN RAYS, injurious effects,  
bladder & colon lesions after x-ray ther., differ.diag.& ther.(Bul))  
(COLON, diseases,  
radium & x-ray induced lesions after radiother., differ.diag. &  
ther. (Bul))  
(BLADDER, diseases, same)

TENCHOV, G.; STRATEV, Il.; PASKALEV, T.

Spreading of cancer in Bulgaria. Suvrem. med., Sofia 7 no.  
1:16-28 1956.

1. Iz nauchnoizsledovatelskiia onkol. inst. --Sofia.  
(NEOPLASMS, statistics,  
in Bulgaria. (Bul))

TENCHOV, G., Prof.; RAICHEV, R., dots.; KRUSTEV, B.; STRATEV, Il.;  
KIROV, St.

Combined pre- and postoperative radiotherapy in breast cancer in  
women. Khirurgiia, Sofia 9 no.4:296-305 1956.

I. Institut za spetsializatsiya i usuvur shenstvuvane na lekarite--  
Sofiiia; nauchnoissledovatelski onkolog. inst.

(BREAST NEOPLASMS, surgery,  
preop. & postop. radiother. (Bul))  
(RADIOTHERAPY, in various diseases,  
cancer of breast, preop. & postop. (Bul))

ANDREEV, V., k. med. n.; STRATEV, I.

Cutaneous cancer with osseous metastases. Suvrem, med., Sofia 9 no.8:  
106-109 1958.

1. Iz Nauchnoizsledovatelskia onkologichen institut(Direktor: prof. Ves.  
Mikhailov).

(SPINE, neoplasms,  
carcinoma, spindle cell, metastatic from skin (Bul))  
(SKIN NEOPLASMS, case reports  
carcinoma, spindle cell, metastatic to spine (Bul))

STRATEV, Il.

On dosimetry and relative biological effects of ionizing radiations.  
Suvrem med., Sofia no.4/5:209-213 '61.

(RADIOMETRY)

STRATEV, Il.; ALEKSANDROV, Kr.

Microelements of copper and zinc in the prevention and treatment of diseases caused by radiation. Doklady BAN 14 no.5:543-546 '61.

1. Institut oncologique de recherches scientifiques, S'via. Note presentee par D. Orachovatz, [Orakhovats, D.] member de l'Academie.

(Radioactivity) (Atomic medicine)

NOTKINA, R.M.; STRATEVICHUK, O.M.

Dynamics of blood eosinophiles in acute vascular lesions of the  
brain. Sov.med. 26 no.2:101-103 F'63. (MIRA 16:6)

1. Iz Odesskoy bol'nitsy No.1 (glavnnyy vrach Yu.N.Gordon, nauchnyy  
rukovoditel' - prof. S.L.Barkagan) "Sentral'nogo rayona.  
(EOSINOPHILES) (CEREBROVASCULAR DISEASE)

BERLOGEA, I.; STRATI, I.; SCHOENFELD, S.; in colaborare cu D. Sarateanu,  
G. Marinescu si W.T. Wuau

Data on ornithosis infection in irradiated and non-irradiated  
white rats. Stud. cercet. inframicrobiol., Bucur. 11 no.1:111-  
115 '60.

1. Comunicare prezentata la Institutul de inframicrobiologie al  
Academiei R.P.R. in Sestunea stiintifica festiva din 17-18 august  
1959.

(ORNITHOSIS experimental)  
(RADIATION EFFECTS experimental)

BERLOGEA, I.; SCHOENFELD, S.; STRATI, I.; SARATEANU, D.

Some data on ornithotic infection in irradiated and nonirradiated white mice. Studii cerc inframicrobiol Special issue-supplement to 12:381-384 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. si Spitalul Militar Central. 2. Membru al Comitetului de redactie, "Studii si cercetari de inframicrobiologie" (for Sarateanu).

(ORNITHOSIS) (RADIATION)

BERLOGEA, I.; STRATI, I.; SCHOENFELD, S.; CAJAL, N.; POPESCU, G.

Rabic infections and antirabic immunity in animals exposed to radiation. Studii cerc inframicrobiol Special issue-supplement to 12: 195-201 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. si Spitalul militar central. 2. Membru al Comitetului de redactie si redactor responsabil adjunct, "Studii si cercetari de inframicrobiologie" (for Cajal).

(HYDROPHOBIA) (IMMUNITY) (RADIATION)

L 12751-63  
A/I.

EWT(1)/BDS/ES(a)/ES(j)/ES(c)/ES(k) AMD/AFFTC Pb. 1  
R/012/62/000/006/002/002

60

AUTHOR: Strati, I., Major, M.C.

TITLE: Space microbiology. Contributions and studies of Soviet Scientists in its development

PERIODICAL: Revista Sanitara Militara, v. 58, no. 6, 1962, 892-895

TEXT: Essentially a review of the subject as reported and discussed in 5 recent common Soviet journals: data about experiments with the 1960 Sputnik which carried Chlorella and other microbes; possibility of existence of extra-terrestrial microbes as indicated by alleged observations of the Murray meteorite; need to sterilize space probes as has been done with the one sent to the moon by Soviets in 1959 September. Theoretical speculative discussion of problems and solutions.

Card 1/1

RUMANIA

COPELOVICI, Y. and STRATI, I. of the Institute of Inframicrobiology of the RPR Academy (Institutul de Inframicrobiologie al Academiei RPR).

"Some Data Concerning the Use of Fluorescent Microscopy in the Laboratory Diagnosis of Inframicrobic Diseases."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 14, No 4, 1963, pp 491-496.

Abstract: Discusses the basic principles of immunofluorescence, the techniques used for the detection of inframicrobic antigens, and the diagnosis of animal viruses by this technique, notably the rabies and distemper viruses. The various factors entering into the immunofluorescent diagnosis of rabies are considered.

Includes 23 references, of which 1 Rumanian, 4 Russian and 18 "estern.

1/1

"Contributions to the Study of Experimental infections ----  
pseudomallei"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 264-272

**APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653510001-9**

Abst.act: Report on studies with 10 strains of pseudomallei in rats: virulence varied to a considerable extent; strains also changed in virulence following a few passages in rats. Administration of cortisone intensified the infection. In mice, the results were quite different. Details on histopathological lesions. 2 tables, 4 photomicrographs.

1/1

RUMANIA

NESTORESCU, N., Prof. Dr., Member Correspondent of the Academy of Socialist Republic of Romania (membru corespondent al Academiei Republicii Socialiste Romania); and STRATI, I., Lieutenant-Colonel, Medical Corps.

"Observations on the Association of Chloramphenicol and Sulfonamide in Experimental Pseudomonas pseudomallei Infection"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 277-282

Abstract: Study in about 20 groups of rats, each 10 to 20 animals, indicated the combination of sulaphenylpyrazole and chloramphenicol may be the most promising therapy for this infection. Table shows detail of 4 experiments with inoculation either subcutaneously or intraperitonealy with 100 million or 1 billion cells per ml in inoculum.

1/1

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RUMANIA

NESTORESCU, N., Prof. Dr., Member Correspondent of the Academy of Socialist Republic of Romania (membru corespondent al Academiei Republicii Socialiste Romania); STRATI, I., Lieutenant-Colonel, Medical Corps; POPESCU, Al., Colonel, Medical Corps; and GEORGESCU, Colette

**APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653510001-9"**

"Immunofluorescence in the Identification of the Pseudomonas pseudomallei, the Etiologic Agent of Melioidosis"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 282-285

Abstract: Study of fluorescence microscopy revealed that this procedure is perfectly adequate in the diagnosis of melioidosis, permitting differentiation of Pseudomonas pseudomallei (any of 10 strains) from any of 11 other species of bacteria which might interfere with identification (53 strains of latter tested) 1 Table.

1/1

NESTORESCU, N., Prof. Dr., Member Correspondent of the Academy of Socialist Republic of Romania (membru corespondent al Academiei Republicii Socialiste Romania); STRATI, I., Lieutenant-Colonel, Medical Corps; and POPESCU, Al., Colonel, Medical Corps.

"Immunofluorescence in the Identification and Localization of the Infective Process in Experimental Melioidosis"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 285-287

RUMANIA

COPELOVICI, Yolanda, PETRUSCA, J., STRATI, I. and LANDESMAN, V. of the Institute of Inframicrobiology of the RPR Academy (Institutul de Inframicrobiologie al Academiei RPR).

"Investigations on a Mumps Epidemic in a Community Vaccinated Against Mumps."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol. 14, No 5, 1963, pp 641-648.

Abstract [Authors' English summary modified]: Vaccination 8 months before the outbreak of a mumps epidemic gave a large degree of protection to the community, and vaccination in a focus 12 days before the outbreak of the first cases strongly modified the course of the epidemic. The proportion of cases among the vaccinated population was 0.63%, among the non-vaccinated group 8.6%. Eight months after vaccination the hemagglutination-inhibition antibody titer was still greater than 1/32 in 34.9% of the cases. Lyophilized antimumps vaccine stored for 6 months maintained its immunogenic value.

Includes 4 tables and 9 references, of which 4 Western and 5 Rumanian.

1/1

- 17 -

L 63420-65

ACCESSION NR: AP5023246

RU/0012/64/000/005/0805/0807

AUTHOR: Alexiu, L. (Doctor, Major General); Stratia, I. (Doctor, Lieutenant Colonel); Zelter, E. (Doctor, Lieutenant Colonel); Stirc, M. (Doctor, Captain); Vasilescu, T. (Doctor)

TITLE: Brucellosis etiology of some forms of rheumatism in young people. Considerations following the observation of a case

SOURCE: Revista sanitara militara, no. 5, 1964, 805-807

TOPIC TAGS: brucellosis, man, tissue disease

ABSTRACT: After a brief description of the latent and chronic primitive forms of human brucellosis, the authors present the case history of a young military recruit thought to be suffering from rheumatism who was found to have brucellosis. On the basis of similar cases reported in the literature as well as their own observation, they suggest thorough laboratory testing to investigate this possibility in all atypical cases of rheumatism in young people.

1/2

L 63420-65

ACCESSION NR: AP5023246

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: LS

NR REF Sov: 000

OTHER: 000

JPRS

KC  
2/2

RUMANIA

NESTORESCU, N., Prof. Dr., Member Correspondent of the Academy of Socialist Republic of Rumania (membru corespondent al Academiei Republicii Socialiste Romania); CIPLEA, Al., BONA C., POTORAC, E., URZICEANU, N., Colonel, Medical Corps; and STRATI, I., Lieutenant-Colonel, Medical Corps.

"Experimental Studies on Burn Disease: Part I - Contribution to the Study of Histopathological Modifications in the Acute Phase of the Severe Experimental Burn (24 to 48 hours)"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 104-106

Abstract: Comprehensive data on experimental study in groups of 30 dogs (including 10 controls in each group), studying histopathologically the various tissues 6, 24, and 48 hours after the burn; with stress on adrenals, kidney and spleen lesions. Conclusion is that there is a definite pathological process whose stages can be differentiated; the nucleic acid content in various tissues is revelatory of the stage of disease.

1/1

RUMANIA

NESTORESCU, N., Prof. Dr., Member Correspondent of the Academy of the Socialist Republic of Rumania (membru corespondent al Academiei Republicii Socialiste Romania); CIPLEA, Al., BONA C., POTORAC, E., URZICEANU, N., Colonel, Medical Corps; and STRATI, I., Lieutenant-Colonel, Medical Corps.

"Experimental Studies on Burn Disease: Part 2 - Contribution to the Study of Changes in the Spinal and Peripheral Blood During the Course of the Severe Acute Phase of Experimental Burns, 24 to 48 hours after the Burn".

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 106-110

**Abstract:** Study of bone marrow cytology in dogs 24 and 48 hours after severe burns; trends in leukocyte and erythrocyte series are reported and discussed. There is a marked difference between the two stages, i.e., hemoconcentration with erythrocytosis first, turning later to anemia; exhaustion of reticulo-endothelial system is part of the second phase. 3 photomicrographs.

1/1

- 8 -

RUMANIA

NESTORESCU, N., Prof. Dr., Member Correspondent of the Academy of the Socialist Republic of Rumania (membru corespondent al Academiei Republicii Socialiste Romania); CIPLEA, Al.; BONA C.; POTORAC, E.; URZICEANU, N.; Colonel, Medical Corps; and STRATI, I., Lieutenant-Colonel, Medical Corps.

"Experimental Studies on Burn Disease: Part 3 - Study of Nucleic Acids and Proteins Four Days in the Acute Phase (6 to 48 hours) of Severe Burns"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 110-114

Abstract: Histological and cytochemical study with various dyes of skin and kidneys of burned dogs indicates early intensification of lysosome activity; nucleic acids become degraded and many enzymes are released at pathological or pathogenic levels. 5 photomicrographs.

1/1

RUMANIA

NESTORESCU, N., Prof. Dr., Member Correspondent of the Academy of Socialist Republic of Romania (membru corespondent al Academiei Republicii Socialiste Romania); and STRATI, I., Lieutenant-Colonel, Medical Corps.

"Some Considerations on Melioidosis"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 253-256

Abstract: Brief review of epidemiology and morbidity of melioidosis; spread during the Second World War in the Pacific theatre of operations, role of the physical efforts, treatment with sulfonamides and antibiotics especially with chloramphenicol. A number of authors are mentioned in the text.

1/1

- 36 -

L 33703-66 T JK  
ACC N<sup>o</sup>. AP6025161

SOURCE CODE: RU/0012/65/061/004/0631/0637

AUTHOR: Chelemen, N. (Lieutenant colonel; Veterinarian); Savulescu, M. (Veterinarian; Lieutenant colonel); Vainer, E. (Doctor, Colonel); Stratia, I. (Doctor, Lieutenant colonel); Oprescu, C. C. (Doctor)

24

B

O.G: none

TITLE: Considerations on the kaolin-agglutination phosphatidic test in the diagnosis of of tuberculous afflictions

SOURCE: Revista sanitara militara, v. 61, no. 4, 1965, 631-637

TOPIC TAGS: tuberculosis, diagnostic medicine, military medicine, kaolin

ABSTRACT: The authors tested the use of kaolin-agglutination phosphatidic tests as a tool for the diagnosis of tuberculous ailments in military personnel, working out the most appropriate procedures and checking the effectiveness of the test through a comparative study on patients with confirmed tuberculous lesions and some with other diseases. The possibility of using this test as a supplementary diagnostic method in guinea pig tests was also studied. Orig. art. has: 3 tables. JPRS: 33,500

SUB CODE: 06/ SUBM DATE: 22Jun64/ ORIG REF: 005/ OTH REF: 013

Card 1/1

PP

0416

0510

L 33705-66 T JK

ACC NR: AP6025163

SOURCE CODE: RU/0012/65/061/004/0647/0654

AUTHOR: Petrusca, J. (Doctor, Colonel); Strati, I. (Doctor, Lieutenant colonel) 28

ORIG: none

B

TITLE: Some aspects concerning accidents occurring in therapy with sulfonamides and antibiotics

SOURCE: Revista sanitara militara, v. 61, no. 4, 1965, 647-654

TOPIC TAGS: sulfonamide, antibiotic, drug effect, toxicology

ABSTRACT: In an article "for the aid of the unit physician," the authors analyze the nature of accidents occurring during sulfonamide and antibiotic therapy. They distinguish three main categories of accidents; caused by sensitization of the organism, caused by direct toxic-irritating action of the drug, locally or generally, and caused by the activity of the drug on microbial or pathologic flora. Preventive measures for all types are suggested. Orig. art. has 1 table. [JPRS: 33,500]

SUB CODE: 06/ SUBM DATE: 30May65/ ORIG REF: 002/ OTH REF: 008

Card 1/1

PB

RUMANIA

CHELEMEN, N., Veterinarian, Lt-Col, SAVULESCU, M., Veterinarian, Lt-Col, TUDOR, V., Dr, Col, STRATI, I., Dr, Lt-Col, and EDU, E., Dr [affiliation not given]

"Studies on the Incidence of Serum Antibodies Against Some Zoonotic Agents for Two Outbreaks of Epidemic Hepatitis"

Bucharest, Revista Sanitara Militara, Vol 62, No 2, Mar-Apr 66, pp 359-364

Abstract: A study of 73 sera from hepatitis patients, of which some were from a closed focus and some were individual cases, showed the presence of antibodies against Rubarth contagious canine hepatitis in one case, against pararickettsia in two cases; antibodies against leptospira were not found in any of the sera. The authors conclude that the incidence of these zoonotic agents in epidemic hepatitis outbreaks is minimal.

Includes one table and 21 references, of which 15 Rumanian, one German, and 5 Western. Manuscript submitted 6 August 1965.

1/1

STRATIEV, B. [Stratiev, B.]

Calcification of the bone marrow. Cesk. radiol. 19 no.3:176-177

My '65

1. Diagnostické oddelení Výzkumného ústavu onkologického v  
Sofii, Bulharsko (prednosta: prof. dr. W. Michalow).

DIMITROV, D.; STRATIEV, V.; PARUSHEV, P.; VISARIONOV, V.

Production of zinc sulfate in the zinc hydrometallurgy.  
Khim i industriia 34 no. 1: 30-33 '64.

TATI, L.; WIT, I.

Addition of silicon yarn and its effect on the critical step in carding  
worsted and twisted woolen yarns, p. 202. TATI. ("Institutvo lechkeho  
pravdylu" Brno, Vol. 9, no. 7, July 1954).

SOURCE: West European Acquisitions List, Vol. 5, no. 9, September 1956

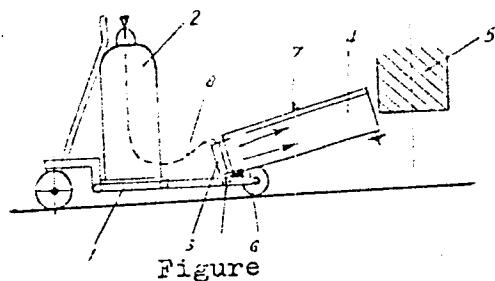
S/262/62/000/006/014/021  
1007/I207

AUTHORS: Dufek Jan, Stratil František.

TITLE: Device for heating engines during starting

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovye ustanovki, no.6, 1962, 73, abstract 426352. (Chekhosl. pat., kl. 46c4, 15, 46a7, 1/02, no.95904, 15.07.60).

TEXT: A patent has been issued for a device for heating automobile and aircraft engines during starting in winter. The bottle (2) and



Card 1/2

Device for heating engines ....

S/262/62/000/006/014/021  
I007/I207

(see figure) filled with liquefied gas, the gas -pressure reducing valve, the burner (3) and the radiator (4) are mounted on the truck (1). The radiator can be rotated so as to direct the radiant heat toward the engine crankcase (5); the radiator is provided with holes (6) for the absorption of cool air. Part of the heating air flow is re-circulated through the duct (7) to the upper section of the radiator. For the heating of aircraft engines, the radiator is mounted on a hoisting device. Gas is fed to the heating radiator through the flexible hose (8). There are 4 figures.

[Abstractor's note: Complete translation.]

Card 2/2

9(2,4)

06443  
SOV/107-59-5-38/51

AUTHOR: Stratilatov, B.

TITLE: A Miniature Control Device

PERIODICAL: Radio, 1959, Nr 5, pp 49 - 50 (USSR)

ABSTRACT: For building remote controlled aircraft or ship models, as well as for some production processes in industry, low power consumption miniature equipment is required for actuating different relays. The author presents four circuit diagrams of miniature control devices consisting of one 6S7B tube, one or two P2B transistors, relays RMS-1, RMS-2 or RMS-3. There are 4 circuit diagrams and 2 graphs.

Card 1/1

МОСКОВСКАЯ, Н. С.

2714. МОСКОВСКАЯ, Н. С., МИХАИЛ, В. И. - Изготовление из хлопка Valley Valev Fotomekhanicheskim способом. Текстил. Пром-тъ. 1949, №. 2, с. 28-29.

SC: "Fotopis' Journal'nykh Statey", Vol. 30, 1949

STRATILATOV, P. V.

23741 GEOMETRICHESKIYE SVEDENIYA V KURSE ARIFMETIKI V SREDNEY  
SHKOLE. MATEMATIKA V SHKOLE, 1949, NO. 4, S. 29-35

SO: LETOPIS' NO. 31, 1949

STRATILATOV, F. V.

Arithmetic - Problems, Exercises, Etc.

How to improve the teaching of solving mathematical problems in fifth and sixth grades.  
Mat. v shkole No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

STRATILATOV, P. V.

VOLYNTSEV, Ye., zasluzhennyj uchitel' shkol Rossijskoy Sotsialisticheskoy Federativnoy Sovetskoy Respubliky (Moscow); GOLUBEV, K. (Moscow); KISELEVA, A. (Moscow) [reviewers]; BOGDANOV, N.M.; BORISOV, S.A.; ERISHOV, I.S.; STRATILATOV, P.V. [authors].

New methodological manual for schools for the working youth ("Problems in teaching mathematics in the 5th - 10th grades of schools for the working youth." N.M. Bogdanov, S.A. Borisov, I.S. Ershov, P.V. Stratilatov. Reviewed by E. Volnytsev, K. Golubev, A. Kiseleva). Mat.v shkole no.6:74-75 N-D '53. (MLRA 6:12)  
(Mathematics--Study and teaching) (Technical education)  
(Bogdanov, N.M.) (Borisov, S.A.) (Ershov, I.S.) (Stratilatov, P.V.)

STRATILATOV, P.V.; BORISOV, A.A., redaktor; MIRONTSEVA, M.I., tekhnicheskiy  
redaktor.

[Exercises for students of correspondence high schools; algebra,  
geometry and trigonometry. 10th class] Zadaniia dlja uchashchikhsia  
zaochnoi srednei shkoly; algebra, geometriia i trigonometriia. I klass.  
Zadaniia sostavil P.V. Stratilatov. Izd. 3-e. Moskva, Gos. uchebno-  
pedagog. izd-vo Ministerstva prosveshcheniya RSFSR, 1954. 128 p.  
(MLR# 8:2)

1. Russia (1917- R.S.F.S.R.) Glavnaya upravleniye shkol.  
(Mathematics--Study and teaching)

Stratilatov, P. V.

STRATILATOV, P.V., redaktor

[Teaching mathematics in the 5th-7th classes of secondary schools;  
collection of articles] Iz opyta prepodavaniia matematiki v V-VII  
klassakh srednei shkoly. Sbornik statei. Pod red. P.V.Stratilatova.  
Moskva, Gos. ucheb.-pedagog. izd-vo Ministerstva prosveshchenia  
RSFSR, 1954. 289 p. (MLRA 7:9)  
(Mathematics--Study and teaching)

STRATILATOV, P.V. (Moscow)

Oral control work in mathematics. Mat. v shkole no.5:60-64 S-0 '54.  
(Mathematics--Study and teaching) (MLIA 7:11)

STRATILATOV, P.V.

Analysis of a lesson in mathematics. Uch.zap.MOPI 21:135-138  
'54. (MIRA 10:?)

1. Starshiy prepodavatel' kafedry metodiki matematiki i fiziki.  
(Mathematics--Study and teaching)

STRATILATOV , P.V., redaktor; PAZEL'SKIY, S.V., redaktor; DZHATIYEV,  
S.G., tekhnicheskiy redaktor.

[Experience in conducting extracurricular work in secondary  
school mathematics; a collection of articles] Iz opyta pro-  
vedeniia vneklassnoi raboty po matematike v srednei shkole;  
sbornik statei. Moskva, Gos. uchebno-pedagog. izd-vo Minister-  
stva prosveshcheniya RSFSR, 1955. 196 p. (MIRA 9:6)  
(Mathematics--Study and teaching)

STRATILATOV, P.V.

STRATILATOV, P.V., redaktor; PAZEL'SKIY, S.V., redaktor; DZHATIYEV, S.G.  
tekhnicheskiy redaktor.

[Experiences in teaching mathematics in classes 8-10 of the secondary school; a collection of articles] Iz opyta prepodavaniya matematiki v VIII-X klassakh srednei shkoly; sbornik statей. Moskva, Gos. uchebno-pedagog. izd-vo Ministerstva prosveshcheniya RSFSR, 1955. 349 p. (MLR 8:7)  
(Mathematics--Study and teaching)

STRATILATOV, P.V. (Moskva)

Results of examinations in mathematics. Mat. v shkole no.2:  
17-21 Mr-Ap '56. (MLRA 9:6)  
(Mathematics--Problems, exercises, etc.)

SIKPLA 11:2

STRATILOV, P.V.; POZEL'SKIY, S.V., red.; PONOMAREVA, A.A., tekhn.red.

[Assignments for correspondence students of secondary schools;  
algebra, geometry and trigonometry, 10th grade] Zadaniia dlia  
uchashchikhsia zaochnoi srednei shkoly; algebra, geometriia i  
trigonometriia, X klass. Izd. 5-oe. Moskva, Gos.uchebno-pedagog.  
izd-vo M-va prosv. RSFSR, 1957. 127 p. (MIRA 11:2)  
(Mathematics--Problems, exercises, etc.)

STRATILATOV, Petr Valentinovich; NOVOSELOV, S.I., red.; PONOMAREV, S.A.,  
red.; SMIRNOV, G.I., tekhn.red.

[Collection of problems in trigonometry for classes 9 and 10 in  
secondary schools] Sbornik zadach po trigonometrii dlja 9 i 10  
klassov srednei shkoly. Izd. 2-e. Pod red. S.I.Novoselova.  
Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1958. 111 p.  
(MIRA 11:4)

(Trigonometry--Problems, exercises, etc.)

STRATILATOV, P.V., red.; SIDOROV, L.A., red.; SMIRNOV, G.I., tekhn. red.;  
SHCHEPTEVA, T.A., tekhn. red.

[Collection of articles on teaching geometry in secondary schools]  
Sbornik statei po voprosam prepodavaniia geometrii v srednei  
shkole. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1958.  
188 p. (MIRA 11:12)

(Geometry--Study and teaching)

STRATILATOV, P.V.(Moscow)

Acquainting students with percentage calculations in secondary schools. Mat. v shkole no. 4:28-30 Jl-Ag '58. (MIRA 11:7)  
(Percentage--Study and teaching)

STRATILATOV, P.V. (Moskva)

Organizing the arithmetic curriculum for the lower grades. Mat.  
v shkole no.1:52-59 Ja-F '59. (MIRA 1281)  
(Arithmetic--Study and teaching)

STRATILATOV, P.V. (Moskva)

Problems on the determination of two quantities by their sum  
(or difference) and ratio in the fifth grade arithmetic course.  
Mat.v shkole no.6:34-36 N-D '62. (MIRA 16:1)  
(Arithmetic—Problems, exercises, etc.)

STRATILATOV, P.V., red. (Moskva); MOLCHANOV, M.P., red.; DRANNIKOVA, M.S., tekhn. red.

[Teaching mathematics in secondary schools; collection of articles] Voprosy prepodavaniia matematiki v srednei shkole; sbornik statei. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1961. 286 p. (MIRA 15:2)  
(Mathematics--Study and teaching)

SIKORSKIY, K.P.; STRATILATOV, P.V.

Teaching of algebra and elementary functions in the 9th grade.  
Mat. v shkole no.3:25-41 My-Je '63. (MIRA 16:7)

(Mathematics—Study and teaching)

BELYAYEV, Aleksandr Vasil'yevich; TOLSTOY, Mikhail Georgiyevich;  
GANDZHUNTSEV, I.M., nauchn. red.; STRATILATOVA, K.I.,  
red.; DORODNOVA, L.A., tekhn.red.

[Assembling prefabricated elements] Montazh sbornykh kon-  
struktsii. Izd.2., perer. i dop. Moskva, Proftekhizdat,  
1963. 315 p. (MIRA 17:3)

ALEKSEEVSKIY, Aleksandr Vasil'yevich, inzh.; SKAVRONSKIY, B.I., nauchn.  
red.; STRAILEVSKA, K.I., red.

[Materials for plasterers and slab and mosaic layers] Mate-  
rialovedenie dlia shtukaturov, plitochnikov, mozaichnikov.  
Izd.2., perer. i dop. Moskva, Vysshiaia shkola, 1964. 246 p.  
(MIR) 17:7)

STRATILATOVA, L.; MOROZOV, V.

Work of the urban administrations of State Bank offices. Den. i  
kred. 21 no.9:60-61 S '63. (MIRA 16:10)

1. Nachal'nik gorodskogo upravleniya Kuybyshevskoy oblastnoy  
kontory Gosbanka (for Stratilatova). 2. Nachal'nik gorodskogo  
upravleniya Ryazanskoy oblastnoy kontory Gosbanka (for Morozov).

STRATILATOVA, M.B.

Area in two-dimensional manifolds of limited curvature as a  
Hausdorf measure. Vest. LGU 17 no.13:56-60 '62. (MIRA 15:7)  
(Topology)

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653510001-9

Upper surface. Today Sat. June 20th 1964 '65.  
(MIRA 18:6)

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653510001-9"

STRATILATOVA, M.B.

Some loci cn a surface. Trudy Mat. inst. 76:115-119 '65.  
(MIRA 18:6)

STRATILATOVA, Z. M.

Microhardness in the study of structural constituents of  
Babbitt metal. M. Stratilatova. *Sbornik Nauč.  
Radov Leningrad. Tekhnico-Khoz. Insti. Inženier. Facultets*  
1955, No 11, 163-8; *Referat. Zhur., Met.* 1956, No. 671. --  
By comparison of the microhardnesses of structural components  
of Babbitt metal B-83 with those of specially prepd.  
binary alloys, the chem. compns. of different phases of the  
alloy B-83 were detd. more precisely. Alloys corresponding  
to Cu<sub>3</sub>Sn, Cu<sub>2</sub>Sn, SnSb, and the  $\alpha$ -solid soln. Sn 93% Sb  
7% were prep'd. Large crystals were obtained by cooling the  
alloys in a mold preheated to 300°. The principal plastic  
component of B-83 has a hardness of 25-28 kg./mm.<sup>2</sup>; this corresponds to the hardness of the  $\alpha$ -solid soln. The  
hardness of the cubic crystals is 100-120 kg./mm.<sup>2</sup>, corre-  
sponding to that of SnSb. The hardness of the star-shaped  
crystals of the Cu-contg. constituent is 463-570 kg./mm.<sup>2</sup>,  
corresponding to that of Cu<sub>3</sub>Sn. Alexis N. Pestoff

6  
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STRATIPEK, J.

"The District Water-Supply Service." p. 218 (*Voda*, Vol. 33, no. 9, Sept. 1953, Praha)

SO: Monthly List of Russian Accessions, Library of Congress, March 1954  
1953, Uncr.

STRATILESCU, Alexandru, ing.

Contribution in choosing the constructive parameters for  
designing a turbopropeller engine. Rev transport 11 no.  
l: 6-12 Ja '64.

STRATILIK, M.

New highly automatic crushing and concrete plant. p. 114.

Vol. 3, no. 4, April 1954. (Mechanisace)  
INGENYRSKE STAVBY  
Praha, Czechoslovakia

See: Eastern European accession Vol. 5 No. 4 April 1956

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653510001-9

Central Intelligence Agency  
Washington, D.C. 20507  
Date: April 17, 1973  
File No. 100.

Central Intelligence Agency  
Washington, D.C. 20507  
Date: April 17, 1973  
File No. 100.

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653510001-9"

STRATILIK, M.

STRATILIK, M. New instruments for experimental laboratories. p. 285

Vol. 34, no. 8, Aug. 1956

STAVIVO

TECHNOLOGY

Praha, Czechoslovakia

So: East European Accession Vol. 6, no. 2, 1957

Stratilik, M.

Stratilik, M. The first Czechoslovak plant for the production of granulated  
keramzite. p. 9.

Vol. 35, no. 1, Jan. 1957

STAVIVO  
TECHNOLOGY  
Czechoslovakia

So. East European Accessions, Vol. 6, May 1957  
no. 5

*Chemical Technology*  
CZECHOSLOVAKIA/Chemical Technology - Chemical Products and H-7  
Their Application. Ceramics. Glass. Binders. Concrete.

Abs Jour : Referat Zhur - Khimiya, No 1, 1958, 2011

Author : Stratilik M.

Inst :

Title : Elimination of Structural Flaws by Vibration.

Orig Pub : Stavivo, 1957, 35, No 4, 148-151

Abstract : It is known that on extrusion, from band-forming vacuum presses, of plastic paste, in particular for electrotechnical porcelain, the paste shows structural flaws (SF) in the form of S-shaped and annular stratifications. Stratifications invisible with the naked eye become manifest later on as cracks during drying and firing of large electric insulators. In 1955 Hagen (RZhKhim, 1955, 55786) described a vibratory screen (VS) installed in the cylinder of the vacuum press, which he utilized to control SF.  
At the Institute of Silicates in Brno (Czechoslovakia)

Card 1/3

STRATILIK, M., inz.

Effect of the circumferential velocity difference on the  
technological effectiveness of high-speed grinding rollers.  
Stavivo 41 no.7:242-246 Jl '63.

1. PS, Vyzkumny ustav stavebnich a keramickych stroju, Brno.

STRATIMIROVIC, ing.

Electric heating in household. Elektroprivreda 14 no. 7/8:419-420  
Jl-Ag '61.

GUTKIN, E.I., inzh.; YESHCHEKO, A.T., inzh.; STRATINEVSKIY, N.I., inzh.

Increase in the power of the TRSA-56 relay transmitter. Vest. sviazi 23  
no.1:15-17 Ja '63. (MIRA 16:3)  
(Radio relay systems)

L 13615-63

EWT(m)/BDS — AFFTC/ASD

ACCESSION NR: AP3003104

S/0056/63/044/006/1823/1825

53  
52AUTHOR: Kozlov, V. F.; Fogel', Ya. M.; Stratiyenko, V. A.

TITLE: Two-electron charge exchange of low-energy protons 19

SOURCE: Zhurnal eksper. i teor. fiziki, v. 44, no. 6; 1963, 1823-1825

TOPIC TAGS: two-electron charge exchange, low-energy protons, hydrogen, argon, krypton, adiabatic region

ABSTRACT: The effective cross sections for two-electron charge exchange of 0.5 - 5 keV protons in hydrogen, argon, and krypton were measured in order to study the behavior of this cross section as a function of the relative velocity of the colliding particles in the adiabatic region. This is a continuation of the shape of the analogous cross-section curves for Li, Na, and K positive ions, made by Ya. M. Fogel', V. F. Kozlov, and G. N. Polyakova (ZhETF, v. 39, 1186, 1960), in which it was indicated that the cross section decreases more slowly than would be called for by the exponential formula postulated by Husted (J. Appl. Phys. v. 30, 25, 1959). The curve obtained for the energy region below 5 keV joins satisfactorily the curve obtained for protons of energy greater than 5 keV by the mass-spectrometer method, thus affording a check on the reliability of the experimental procedure. The results indicate that in the case of argon and krypton this energy

Card 1/3

L 13615-63  
ACCESSION NR: AF3003104

region cannot be regarded as adiabatic, but in the case of hydrogen it can, and the Hasted formula is applicable. Orig. art. has: 2 figures.

ASSOCIATION: Fiziko-tehnicheskiy institut Akademii nauk Ukrainskoy SSR  
(Physicotechnical Institute, Academy of Sciences, Ukrainian SSR)

SUBMITTED: 11Jan63

DATE ACQ: 23Jul63

ENCL: 01

SUB CODE: 00

NO REF SOV: 006

OTHER: 002

Card 2/3

L 13615-63  
ACCESSION NR: AP3003104

ENCLOSURE: 1

Fig. 1

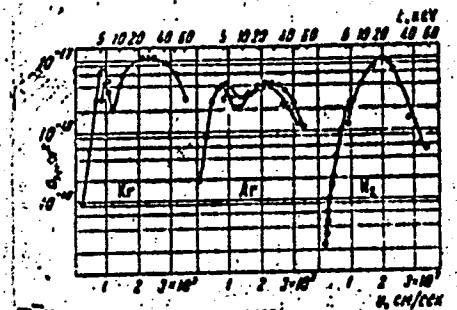


Fig. 1. Cross sections of two-electron charge exchange of protons in hydrogen, argon, and krypton: o - present data,  $\Delta$  - data of [6],  $\Delta$  - data of [7].

Fig. 2. Plot of two-electron charge-exchange cross section against reciprocal of velocity for hydrogen.

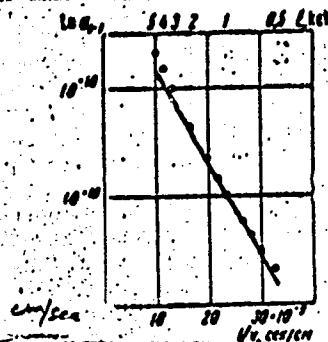


Fig. 2

sec/cm

Card 3/3

SHEVCHENKO, V.I.; STEATYENKO, V.I.; PUCHET, A.M.

Triphenylphosphazo sulfonylaryls. Zhur. ob. khim. 34 no.12:3954-  
3955 P '64 (MIURA 18:1)

I. Institut organicheskoy khimii Ak. UkrSSR.

S/079/60/030/05/32/074  
B005/B016

AUTHORS: Shevchenko, V. I., Stratiyenko, V. T.

TITLE: Esters of Aryl-sulfonimido-phenyl-phosphinic Acids

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 5, pp. 1561-1565

TEXT: The authors of the present paper investigated the reactions of phenyl-dichloro-phosphazo-sulfonaryls (I) with sodium alcoholates and sodium phenolates. In the reaction of compounds (I) with sodium alcoholates, either dialkyl esters of aryl-sulfonimido-phenyl-phosphinic acids (II) or sodium salts of the monoalkyl esters of aryl-sulfonamido-phenyl-phosphinic acids (III) are formed in dependence on the quantitative ratio of the initial substances. The reaction scheme is given. Under certain reaction conditions which are indicated the compounds (II) can be obtained easily and in good yield. In Table 1, 14 compounds of type (II) ( $\text{ArSO}_2\text{N}^-\text{-P}(\text{C}_6\text{H}_5)(\text{OAlk})_2$ ) are listed. They are neutral substances which do not react with water. In alcoholic solutions they are readily hydrolyzed by aqueous acids or bases. On alkaline hydrolysis the compounds (III) result.

Card 1/3

Esters of Aryl-sulfonimido-phenyl-phosphinic  
Acids

3/079/60/030/05/32/074  
B005/B016

In Table 2, 5 compounds of type (III) ( $\text{ArSO}_2\text{NHPO}(\text{C}_6\text{H}_5)\text{OAlk}$ ) are given which were obtained by hydrolysis of the corresponding compounds (II). These monoalkyl esters (III) may be prepared with advantage directly from compounds (I). The reaction conditions, under which the compounds (III) are obtained as principal products of the reaction of (I) with sodium alcohohlates, are indicated. Table 3 presents 19 compounds of type (III) which were obtained immediately from compounds (I). The monoethyl esters of o-, m-, and p-nitro-phenyl-sulfonamido-phenyl-phosphinic acids could not be obtained in this way due to resinification. The monoalkyl esters (III) behave like monobasic acids, and can be titrated with sodium hydroxide using phenolphthalein as indicator. The authors further synthesized a number of phenyl-diphenoxy-phosphazo-sulfonaryls (IV) ( $\text{ArSO}_2\text{N}=\text{P}(\text{C}_6\text{H}_5)(\text{OC}_6\text{H}_5)_2$ ) by reaction of compounds (I) with the corresponding sodium arylates. Table 4 summarizes 7 compounds of type (IV). These esters are stable to water. In acid media they are hydrolyzed similarly to compounds (II) to give aryl sulfonamides while they are more stable to aqueous bases than the compounds (II). Under certain conditions which are indicated it is, however, possible to obtain the monophenyl esters of

Card 2/3

Esters of Aryl-sulfonimido-phenyl-phosphinic  
Acids

S/079/60/030/05/32/074  
B005/B016

aryl-sulfonamido-phenyl-phosphinic acids (V) ( $\text{ArSO}_2\text{NHPO}(\text{C}_6\text{H}_5)(\text{OC}_6\text{H}_5)$ ) by alkaline saponification of the compounds (IV). Table 5 shows 6 compounds of this type. In an experimental part all conversions accomplished are described in detail. The 5 tables mentioned give yields, melting points, and empirical formulas of each compound. Table 1 further contains the percentage contents of alkoxy groups for the compounds (II), Table 4 the nitrogen contents of the compounds (IV), and the Tables 2, 3, and 5 the results of titration with sodium hydroxide for each of the compounds. For the compounds (II), (III), (IV), and (V), appearance and solubility in the common organic solvents are also given. A. V. Kirsanov (Ref. 4) is mentioned in the present paper. There are 5 tables and 4 Soviet references.

ASSOCIATION: Dnepropetrovskiy metallurgicheskiy institut (Dnepropetrovsk  
Institute of Metallurgy)

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TITLE: Diphenyl-chloro-phosphazo-sulfone Aryls

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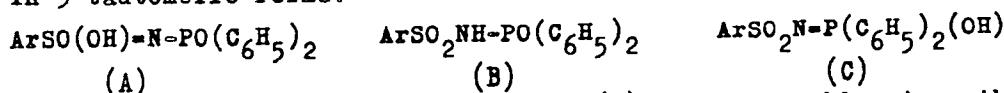
TEXT: The authors of the present paper synthesized diphenyl-chloro-phosphazo-sulfone aryls (I) by treating aryl sulfonamides with diphenyl phosphorus trichloride. The scheme of the reaction is given. 9 compounds of type (I)((C<sub>6</sub>H<sub>5</sub>)<sub>2</sub>ClP=NSO<sub>2</sub>Ar) are listed in Table 1. Still more readily than with diphenyl phosphorus trichloride, the aryl sulfonamides react with phenyl phosphorus tetrachloride and with phosphorus pentachloride. The compounds (I) may also be obtained by treating the sodium salts of chloramides of aromatic sulfonic acids with diphenyl-chloro phosphine. The scheme of this reaction is described. This procedure, however, is less convenient since a large number of by-products occur. The compounds (I) are colorless crystalline substances. They exhibit the properties of acid chlorides, and thus react readily with alcohols, amines, and phenolates. They are easily hydrolyzed even by atmospheric moisture. On hydrolysis

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## Diphenyl-chloro-phosphazo-sulfone Aryls

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aryl-sulfonamido-diphenyl-phosphinic acids (II) are formed according to a given scheme. Table 2 summarizes the 9 compounds of type (II) which were obtained by hydrolysis of the compounds (I) contained in Table 1. Both tables present yield, melting point, empirical formula, and the result of titration with lye for each compound. The compounds (II) are colorless crystalline substances which are very stable to hydrolysis. They may occur in 3 tautomeric forms:



(A) (B) (C)  
It may be assumed that the amide form (B) is most stable since the N-H bond is less polarizable than the O-H bond. The compounds (II) can also be synthesized from N-diphenyl-phosphine-aryl sulfonamides by oxidation with hydrogen peroxide, or by bromination and subsequent hydrolysis. The corresponding reaction schemes are given. In an experimental part all conversions carried out are described in detail. A. V. Kirsanov (Refs. 1,2) is mentioned in the present paper. There are 2 tables and 2 Soviet references.

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